

NEW **HIGH SPEED
SERIES**



SUPER SMART CVT STAGE 4 **BS**

**THE WORLD'S BEST
BACKHOE LOADER**



ENGINE & PERFORMANCE



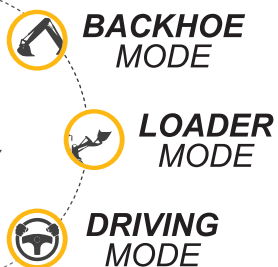
KIRLOSKAR STAGE V PROVEN ENGINE

BULL SUPER SMART Powered by Kirloskar - The Brand trusted by industries worldwide for over 180 years. The proven 4-cylinder engine platform, refined across decades of real-world applications, delivers unmatched durability, service simplicity, and reliability. Now evolved with Stage V BS5 compliance for next-generation earthmoving.

- ▶ 74.5 HP @ 2200 RPM (54.8 kW)
- ▶ 4760 cc Turbo Intercooled CRDi
- ▶ 400 Nm Torque at Low RPM
- ▶ Wet Cylinder Liners
- ▶ IP69 Waterproof Connectors



APM TECHNOLOGY



AUTOMATIC POWER MANAGEMENT

The patented APM technology automatically manages power distribution between loader, driving, and backhoe modes. The system intelligently detects the machine's working condition and delivers power exactly where it's needed, ensuring optimal efficiency, smoother operation, and superior fuel management.



The Performance Leader



+10%
Loading speed

+14%
Front bucket capacity

+10%
Dozing speed

+6%
Road speed

upto
+23%
Digging speed

upto
+14%
Full Swing speed

+8%
Superior Backhoe
Bucket angle

**DON'T TRUST US
SEE THE DEMO, TRUST YOUR DATA
SEE THE PERFORMANCE LEADERSHIP**


UP TO
21%
MORE FUEL
SAVING


28%
LESSER
SENSORS


**4 BULL
=**
5 OTHERS*



Scan for Video

THE ALL ROUNDER



42+ Types of Interchangeable
BUCKET ATTACHMENTS

SQUARE CUT 90° FOUNDATION BUCKET



- Specifically designed for precise square cuts in civil foundation pits and water tank, septic tank, trenches – against the popular demand of civil engineers.
- World's best cutting angle for perfect finishing of pits at 90° Foundation Bucket.
- Eliminates the manual trimming, Enhancing safety.



NEW ARRIVAL

**CHALLENGER
CH76**

**ASIA'S 1ST SKID BACKHOE
SMART KID**



**SKID STEER LOADER
AV490**



Video



Video

OPERATOR COMFORT & SAFETY



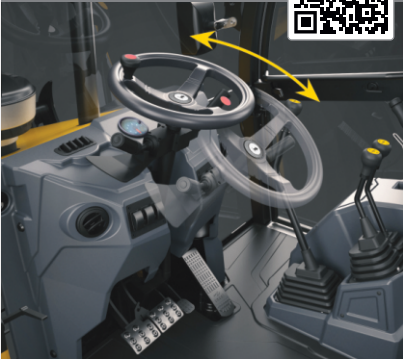
The BULL Backhoe Loader is engineered for ultimate operator comfort, ensuring a smooth and fatigue-free experience even in the most demanding job site



ROPS and FOPS cabin as standard for your safety



TILTABLE
STEERING



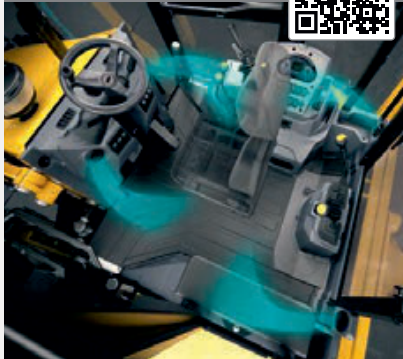
A close-up photograph of the steering wheel and dashboard area of the BULL backhoe loader. The steering wheel is shown in a tilted position, indicated by yellow curved arrows. A QR code is located in the top right corner of the image.

FEATHER FEEL ADJUSTABLE
JOYSTICK



A close-up photograph of the joystick controls in the operator's cab. The joystick is shown in a vertical position. A QR code is located in the top right corner of the image.

ALL DIRECTIONAL
AIR CONDITION*



A photograph showing the interior of the cab with blue air vents directed towards the operator's seat. A QR code is located in the top right corner of the image.

COMFORTABLE SEAT
AIR CUSHION (GRANDIA)



A photograph of a black, high-back operator's seat with armrests, mounted on a base. The seat is shown from a side profile.

BETTER VISIBILITY



A photograph showing the operator's perspective from inside the cab, looking out through the large front and side windows at a construction site. The operator is wearing a blue hard hat.



Grandia DLX - Where Power Meets Luxury.
Experience the backhoe loader that feels like
a premium car - fully automatic, fully loaded,
Air cushion seat, Smooth Ride System.

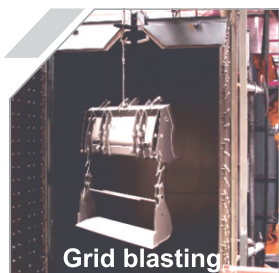


ALL NEW

**GRANDIA
DLX**

DURABILITY

3X LONGER LIFE



Grid blasting



Powder coating



World Class
Powder Coating Plant

LONGER LIFE WITH
SCRATCH RESISTANCE >>



No Fading No Scratches
Powder coating



Normal Paint

3X PIN & BUSHES LIFE



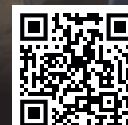
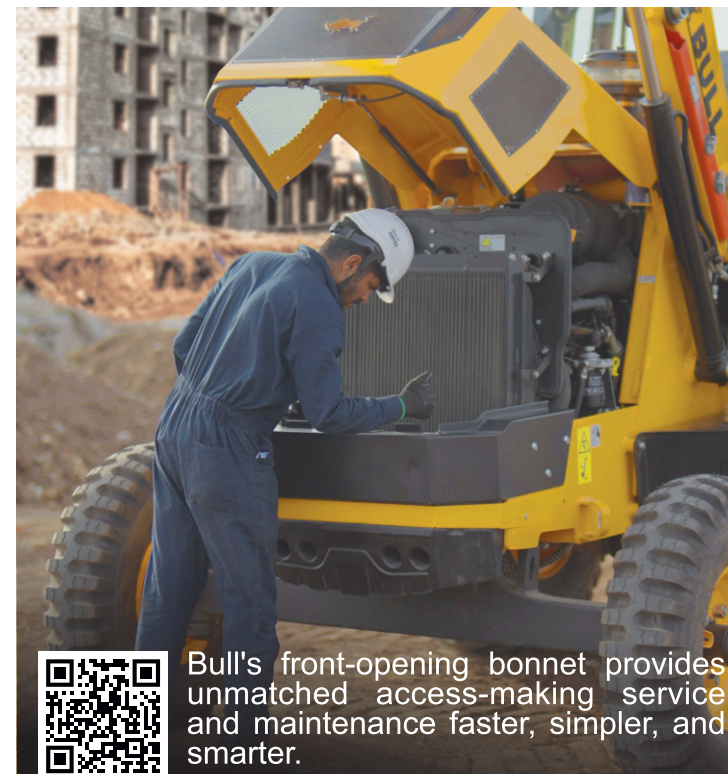
HEAVY DUTY
STEEL KING POST



BULL



OTHERS
CASTING



Bull's front-opening bonnet provides unmatched access-making service and maintenance faster, simpler, and smarter.

FRONT OPENING BONNET
EASY SERVICEABILITY & MAINTENANCE

BUILT WITH THE WORLD'S BEST



74.5 HP Proven
Kirloskar Engine



Walvoil Valve
(Italy)



AKG Radiator with
SBS Tech
(Germany)



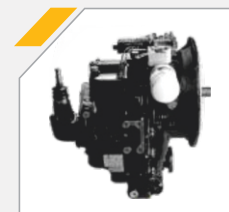
Carlisle Brake
(U.S.A)



Parker Pump
(U.S.A)



Carraro Axle
(Italy)



Carraro Synchro-
Shuttle
Transmission
(Italy)

RAPID SERVICE

Closed only after your OTP



Listen to Our Customers



**RAPID >>>
SMART APP FOR
SERVICE REGISTRATION**

**RAPID >>>
SERVICE HELPLINE
88832 88832**

**106+
DEALERS
ACROSS INDIA**



**5000
HOURS ENGINE
WARRANTY***

OR

**2
YEARS ENGINE
WARRANTY***

**42%
LESS SERVICE
CHARGES****

*Engine warranty is subject to whichever condition occurs first.

**Service charges depend on consumables and the service policy provided by Bull Machines.

LIVE **INFORMATIC**

TELEMATICS & MACHINE FLEET

MONITORING SYSTEM

- Fuel monitoring
- Service SMS
- Geo Fencing
- Proactive alert
- Locate machine
- Schedule maintenance
- Service on demand switch



SKID STEER AV490 JOYSTICK DRIVE



ALL THE TECH IN TOUCH
Touch Screen Infotainment



Day mode

Night mode



TFT Resistive touch screen, able to operate even with oily hands



Rear View camera display



Scan for features



Scan for Video



**! PILOT OPERATED
JOYSTICKS**

Effortless operation leads to less fatigue and increased operator productivity.



VARIANTS & FEATURES



MODEL		SUPER SMART						GRANDIA	CHAMPION			CHALLENGER
ENGINE		KIRLOSKAR						KIRLOSKAR	ASHOK LEYLAND			ASHOK LEYLAND
HORSE POWER		76 HP						76 HP	76 HP			55 HP
DRIVE		2WD				4WD		4WD	2WD		4WD	2WD
VARIANTS		EX	DX-AC	DX-ROCK BREAKER	LX-AC/ROCK BREAKER	DX	LX	DLX	DXT	DXT	DXT-R	CHT
COLOR	Color	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	GREY	YELLOW	YELLOW	YELLOW	BLACK & YELLOW
TRANSMISSION	Transmission	MT	MT	MT	MT	MT	MT	FULL AUTO	MT	MT	MT	MT
PUMP	Variable displacement	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BACKHOE	SD backhoe	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CABIN	Full cabin	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
COMFORT AND CONVENIENCE	AC	-	✓	-	✓	-	✓	✓	-	-	-	-
	Air suspension seat	-	-	-	-	-	-	✓	-	-	-	-
	Informatics	AOP	AOP	AOP	AOP	AOP	AOP	✓	AOP	AOP	AOP	AOP
MECHANICAL BHO JOTSTICK	BHO joystick type(Mechanical)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SAE Cross	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SAE Plus□	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP
BACKHOE ATTACHMENTS	SD 0.26	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SD Trench	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP
	SD 0.33	SLM	SLM	SLM	SLM	SLM	SLM	SLM	SLM	SLM	SLM	-
	Backhoe quick hitch	AOP	AOP	AOP	AOP	AOP	AOP	✓	AOP	AOP	AOP	AOP
	Rock breaker provision	-	-	✓	✓	✓	✓	✓	-	-	✓	-
	Epi rockbreaker	-	-	AOP	AOP	AOP	AOP	AOP	-	-	AOP	-
LOADER ATTACHMENTS	Std bucket	✓	✓	✓	AOP	✓	AOP	AOP	✓	✓	✓	✓
	Std bucket with blade	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP
	V2 6 in one bucket	-	AOP	AOP	✓	AOP	✓	✓	AOP	AOP	AOP	-
	Grabbing fork bucket	-	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	-
	HDHV bucket	-	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	-
	HVG bucket	-	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	-
	HVG coir bucket	-	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	-
	Log fork bucket	-	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	-
	V2 booster bucket	-	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	-
	Sugarcane grabber	-	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	-
	V2 booster bucket with blade	-	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	-
	14ft extension frame	-	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	-
	Cotton booster bucket	-	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	-
	Link bracket(BQRSLS)	-	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	AOP	-
TYRE	IND TT- 16.9X28	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	IND TT YLON- 16.9X28	AOP	AOP	AOP	AOP	-	-	-	AOP	-	-	AOP
	HD TT	AOP	AOP	AOP	AOP	-	-	-	AOP	-	-	AOP

AOP - Add on option
SLM - Selective market

SPECIFICATION & DIMENSIONS

FOR SUPERSMART/GRANDIA



ENGINE

Kirloskar 4R1190NAI BS-V (CEV)
Diesel Engine (4760 CC)
Gross Power **74.5HP (54.8KW) @ 2200 rpm**
Gross Torque **300Nm @ 1320 rpm**

STEERING

Power Steering

ELECTRICAL

12V Battery Systems (150Ah)

TRANSMISSION

CARRARO - 2WD & 4WD

Synchro-shuttle Transmission with
integral torque convertor (Ratio : 2.64)

CARRARO - 4WD (AUTOMATIC)

Servo Power Synchro-shuttle Transmission with
integral torque convertor for **GRANDIA** model

HYDRAULICS

Pump type Load Sensing Variable Piston
Pump Pressure 3335 p.s.i (230 bar)
Pump Flow 119 lpm @ 2200 rpm
128 lpm @ high rpm

WEIGHT

2WD-8000 Kgs (Without Telescopic)
4WD-8010 Kgs (Without Telescopic)
4WD-8850 Kgs (Grandia only)

BACKHOE BUCKET OPTIONS

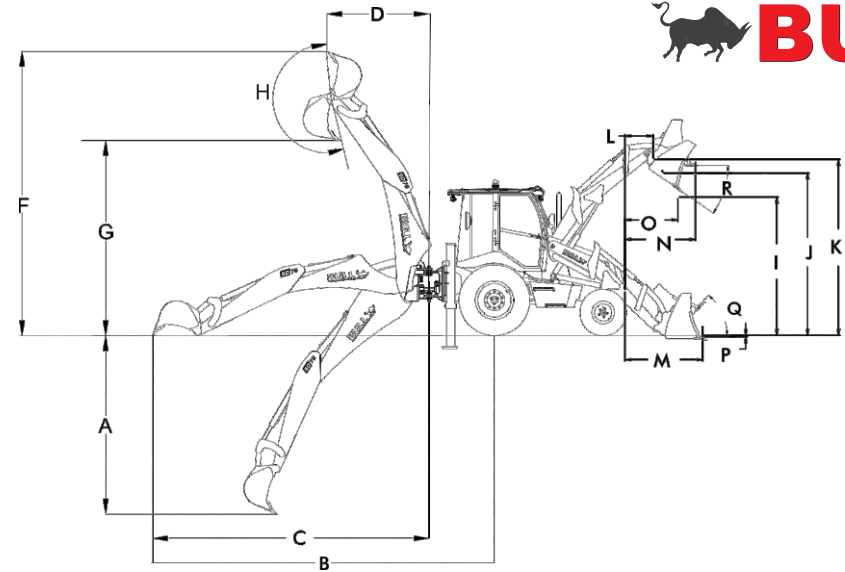
0.33 cu.m, Trench Bucket

TYRES

FRONT **2WD** 9.00X16 - 16PR
4WD 12.5/80X18 - 12PR
REAR Industrial : 16.9X28 - 12PR
Heavy Duty : 14X25 - 20PR

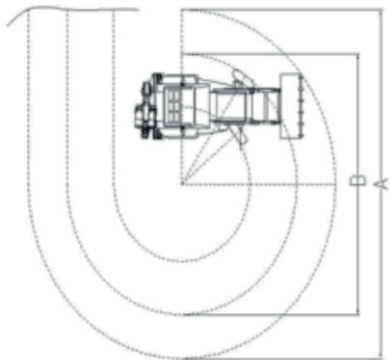
DRIVE

2 Wheel Drive & 4 Wheel Drive



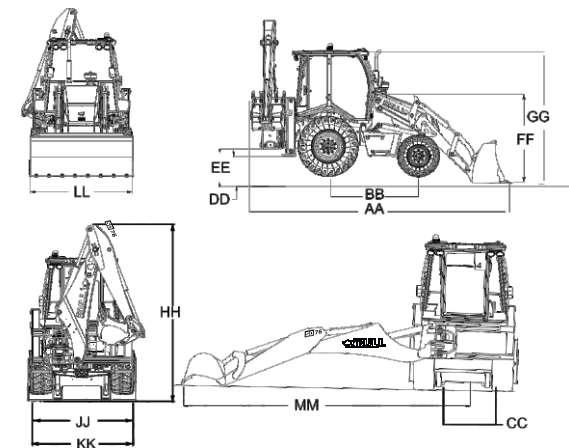
	LOADER PERFORMANCE	SD 76
	Standard GP Bucket Capacity	1.26 cu.m
I	Dump Height	2.96 m
J	Load Over Height	3.39 m
K	Pin Height	3.61 m
L	Pin Forward Reach	0.42 m
M	Reach at Ground	1.47 m
N	Reach at Full Height	1.28 m
O	Reach at Full Height BKT Dumping	0.89 m
P	Below Ground Level DIG Depth	0.1 m
Q	Roll Back at Ground	49°
R	Dump Angle	45°
	Bucket Break-out Force	8183 kgf
	Loader Arm Break-out Force	5315 kgf
	Pay Load	2400 kgf

	EXCAVATOR PERFORMANCE	SD 76
	Standard GP Bucket Capacity	0.26 cu.m
A	Maximum DIG depth	4.77 m
B	Reach Ground Level to Rear wheel center	6.77 m
C	Reach at Ground level to slew center	5.47 m
D	Reach at full height to slew center	2.82 m
F	Maximum working height	5.98 m
G	Maximum Load over Height	4.19 m
H	Bucket Rotation angle	201°
	Bucket Tear out force	5936 kgf
	Dipper Tear out force	3109 kgf



	TURNING CIRCLE	SD 76
	Inner wheels braked	
A	Loader bucket outside	9.18 m
B	Wheel outside	6.37 m
	Inner wheels not braked	
A	Loader bucket outside	11.56 m
B	Wheel outside	8.76 m
	DIESEL TANK CAPACITY	SD 76
	Fuel Tank	115 Ltr

	STATIC DIMENSIONS	SD 76
AA	Over all length	6.04 m
BB	Wheelbase	2.09 m
CC	King post travel	1.03 m
DD	Minimum ground clearance	0.48 m
EE	Slew ground clearance	0.65 m
FF	Height to top of bonnet	1.99 m
GG	Height to top of cabin	2.94 m
HH	Over all height	3.71 m
JJ	Track width - rear	1.65 m
KK	Track width - front	1.86 m
LL	Width over bucket	2.35 m
MM	Side reach to center line of machine	6.08 m



*All dimensions are approximate and subject to standard manufacturing tolerances. Specifications may change without prior notice.

NOW IN **70+**
COUNTRIES



GRANDIA
4WDx4WS



SMART KID



HD96



HD100



HD76
CRUSHER KING



SUPER SMART
NEW HIGH SPEED SERIES



NEW GRANDIA
DLX



CHAMPION



NEW CHALLENGER



SD76
LOADER



BULL MACHINES PVT.LTD,

S.F. No 41, Kangayampalayam Post,
Trichy Road, Sulur,
Coimbatore - 641 401, INDIA

Sales

☎ : +91 98422 87770
✉ : sales@bullmachine.com

International sales

✉ : exports@bullmachine.com

Service and Spares

☎ : 88832 88832
✉ : care@bullmachine.com

Dealer:

www.bullindia.com